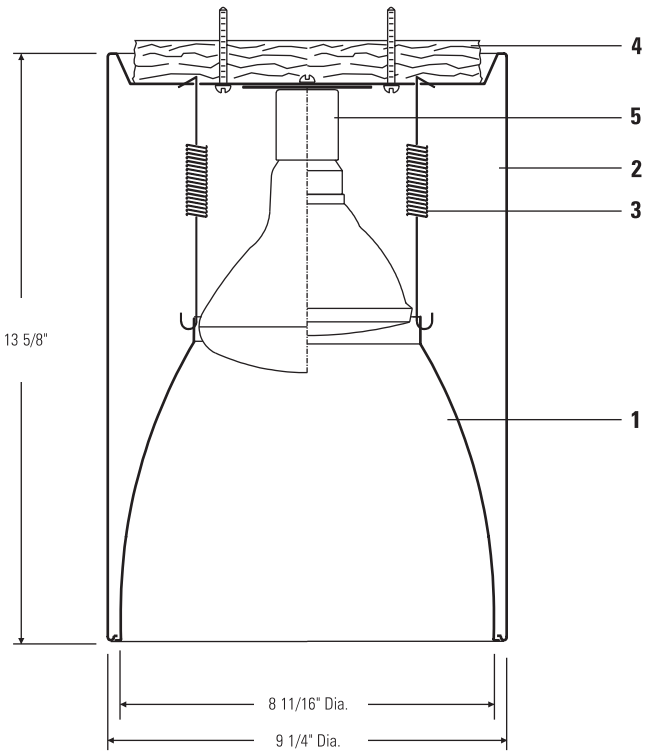
Calculite® Incandescent Surface Cylinder **7026AO**

9” Aperture BR40 / R40 / PAR38



Catalog Number		Lamp
7026AO	Matte white housing with specular clear reflector	**PAR38**,150W (cool beam) **PAR38**, 250W (T.H.) **R40**, 300W **BR40**, 300W

Features

1. **Reflector:** 16 ga. Specular clear Alzak® aluminum. 50° visual cut-off to lamp and lamp image .
2. **Housing:** One piece spun 16 ga. aluminum with returned bottom edge to seat reflector, no visable hardware.Matte white baked enamel finish.
3. **Retaining Springs:** Coil steel springs secure reflector to housing.
4. **Heat Insulltor:** Fiberglass bulk insulation.
5. **Socket:** Medium base porcelain, nickel plated screw shell.

Options & Accessories

Stem Kit: 7249 Matte white
Permits surface units to be stem mounted. Supplied with 1/2" dia. and 5 1/2" dia. canopy. 37 5/8" O.A. Length. Stem can be cut to length at the job site. Self aligning swivel provides up to 41° vertical adjustment.

Other reflector and housing finishes consult factory.

Electrical

Requires 75°C Supply wires. No.18 SF-1 leads to porcelain socket.

Labels

UL Listed for damp locations, I.B.E.W.

Alzak® is a registered trademark of ALCOA.

Job Information Type:

Job Name:

Cat. No.:

Lamp(s):

Notes:

Lightolier a Genlyte Thomas Company www.lightolier.com
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
We reserve the right to change details of design, materials and finish.
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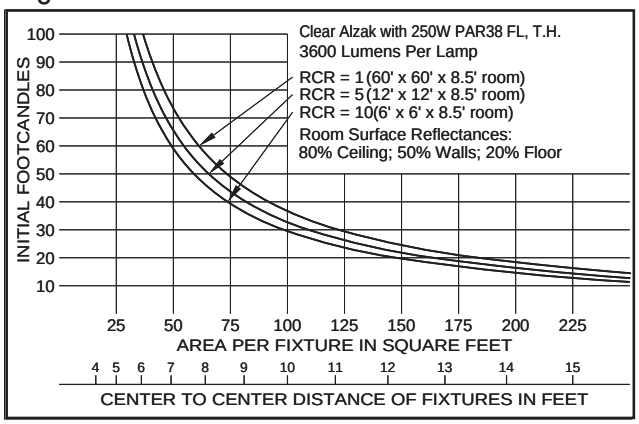
LIGHTOLIER®

Calculite® Incandescent Surface Cylinder **7026AO**

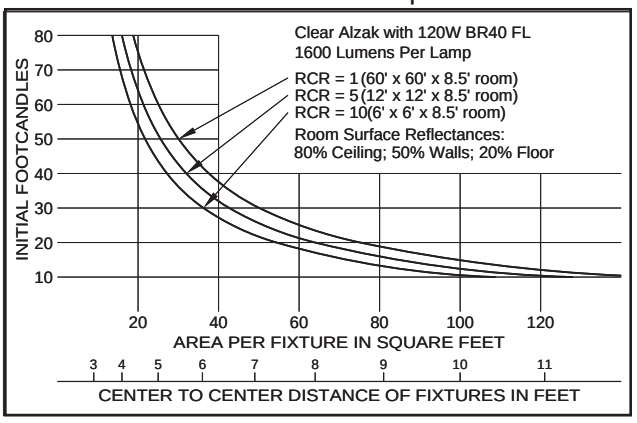
9" Aperture BR40 / R40 / PAR38


Clear Alzak with 250W PAR38 FL, T.H.
3600 Lumens Per Lamp
RCR = 1 (60' x 60' x 8.5' room)
RCR = 5 (12' x 12' x 8.5' room)
RCR = 10(6' x 6' x 8.5' room)
Room Surface Reflectances:
80% Ceiling; 50% Walls; 20% Floor
INITIAL FOOTCANDLES
AREA PER FIXTURE IN SQUARE FEET
CENTER TO CENTER DISTANCE OF FIXTURES IN FEET

Use quick calculator chart to determine spacing of luminaires for desired level of illumination.

Conversion Factors:

100W PAR38 FL IR, F.C. X 0.6
120W PAR38 FL, F.C. X 0.5
90W PAR38 FL, F.C. X 0.4
75W & 65W IR PAR38 FL, F.C. X 0.3


Clear Alzak with 120W BR40 FL
1600 Lumens Per Lamp
RCR = 1 (60' x 60' x 8.5' room)
RCR = 5 (12' x 12' x 8.5' room)
RCR = 10(6' x 6' x 8.5' room)
Room Surface Reflectances:
80% Ceiling; 50% Walls; 20% Floor
INITIAL FOOTCANDLES
AREA PER FIXTURE IN SQUARE FEET
CENTER TO CENTER DISTANCE OF FIXTURES IN FEET

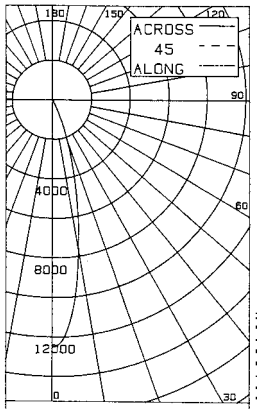
Use quick calculator chart to determine spacing of luminaires for desired level of illumination.

Conversion Factors:

300W R40 FL, F.C. X 2.2
90W BR40 FL, F.C. X 0.7
75W BR40 FL, F.C. X 0.5

SPACING RATIO = 0.4

CERTIFIED TEST REPORT NO. 0870FR
COMPUTED BY LSI PROGRAM **TEST-LITE**
SURFACE CYLINDER OPEN DOWNLIGHT
8" DIA. APERTURE, SPECULAR CLEAR FINISH REFLECTOR
250W PAR38 FL (KRYPTON) PHILIPS LAMP. LUMEN RATING = 3100 LMS.



DATE: JUL 30, 1999
PREPARED FOR:
LIGHOLIER, FALL RIVER, MA

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE.

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LUMENS
0	12498	
5	11063	1009
10	7681	
15	4689	1319
20	2148	
25	677	416
30	88	
35	18	21
40	9	
45	0	2
50	0	
55	0	0
60	0	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

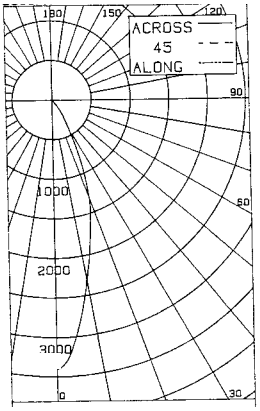
ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0–30	2743	88.50	99.17
0–40	2764	89.18	99.93
0–60	2766	89.24	100.00
0–90	2766	89.24	100.00
40–90	1	.06	.07
60–90	0	.00	.00
90–180	0	.00	.00
0–180	2766	89.24	100.00

** EFFICIENCY = 89.2% **

SPACING RATIO = 0.5

CERTIFIED TEST REPORT NO.0869FR
COMPUTED BY LSI PROGRAM **TEST-LITE**
SURFACE CYLINDER DOWNLIGHT
8" DIA. APERTURE, SPECULAR CLEAR FINISH REFLECTOR
120W BR40 FL GE LAMP. LUMEN RATING = 1600 LMS



DATE: JUL 30, 1999
PREPARED FOR:
LIGHOLIER, FALL RIVER, MA

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE.

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LUMENS
0	3418	
5	2993	280
10	2325	
15	1771	508
20	1295	
25	791	381
30	413	
35	134	150
40	72	
45	0	14
50	0	
55	0	0
60	0	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0–30	1167	73.00	87.70
0–40	1317	82.35	98.95
0–60	1331	83.23	100.00
0–90	1331	83.23	100.00
40–90	14	.88	1.05
60–90	0	.00	.00
90–180	0	.00	.00
0–180	1331	83.23	100.00

** EFFICIENCY = 83.28% **

COEFFICIENTS OF UTILIZATION

%EFFECTIVE CEILING CAVITY REFLECTANCE

ROOM CAVITY RATIO	80			70			50			30			10			0
	% WALL REFLECTANCE															
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
1	1.02	1.01	.99	1.00	.99	.98	.96	.96	.95	.93	.93	.92	.90	.90	.89	.88
2	.98	.96	.94	.97	.92	.93	.94	.93	.91	.92	.91	.90	.89	.89	.88	.87
3	.95	.93	.91	.94	.92	.91	.93	.91	.89	.91	.89	.88	.89	.88	.87	.86
4	.93	.91	.89	.92	.90	.88	.91	.89	.87	.89	.87	.86	.88	.86	.85	.84
5	.91	.88	.86	.90	.87	.86	.89	.87	.85	.88	.86	.84	.86	.85	.84	.83
6	.89	.86	.85	.89	.86	.84	.88	.85	.84	.87	.85	.83	.86	.84	.83	.82
7	.87	.85	.83	.87	.84	.82	.86	.84	.82	.82	.83	.81	.84	.83	.81	.81
8	.86	.83	.81	.82.	.83	.81	.84	.82	.81	.84	.82	.81	.84	.82	.80	.79
9	.84	.82	.80	.84	.81.	.80	.83	.81	.79	.83	.80	.79	.82	.80	.79	.78
10	.82	.80	.78	.82	.80	.78	.82	.79	.78	.81	.79	.78	.81	.79	.77	.77

20% FLOOR CAVITY REFLECTANCE

Conversion Factor: 45W to 250W PAR38 FL, C.U. x 1.0

COEFFICIENTS OF UTILIZATION

%EFFECTIVE CEILING CAVITY REFLECTANCE

ROOM CAVITY RATIO	80			70			50			30			10			0
	% WALL REFLECTANCE															
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
1	.94	.93	.91	.93	.91	.90	.89	.88	.87	.86	.85	.85	.83	.83	.82	0
2	.90	.88	.86	.89	.87	.85	.86	.85	.83	.84	.83	.81	.82	.81	.80	.81
3	.87	.84	.82	.86	.83	.81	.84	.82	.80	.82	.80	.79	.80	.79	.78	.79
4	.84	.81	.78	.83	.80	.78	.81	.79	.77	.80	.76	.76	.78	.77	.75	.76
5	.80	.77	.75	.80	.77	.74	.78	.76	.74	.77	.75	.73	.76	.74	.73	.74
6	.78	.75	.72	.77	.74	.72	.76	.74	.72	.75	.73	.71	.74	.72	.71	.72
7	.75	.72	.69	.75	.72	.69	.74	.71	.69	.73	.70	.68	.72	.70	.68	.70
8	.73	.69	.67	.72	.69	.67	.71	.69	.67	.71	.68	.66	.70	.68	.66	.67
9	.70	.67	.64	.70	.67	.64	.69	.66	.64	.69	.66	.64	.68	.65	.64	.65
10	.68	.65	.62	.68	.65	.62	.67	.64	.62	.67	.64	.62	.66	.64	.62	.63

20% FLOOR CAVITY REFLECTANCE .61

Conversion Factor:

65W to 120W BR40FL, C.U. x 1.0; 300W R40FL, C.U. x .95

Job Information Type:

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